

North Adams

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1994 - 1998

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>				<u>Melanoma of Skin</u>			
Male	11.08	10	90	Male	6.57	9	137
Female	5.25	4	NC*	Female	5.75	6	104
Total	16.33	14	86	Total	12.33	15	122
<u>Brain and Other Central Nervous System</u>				<u>Multiple Myeloma</u>			
Male	3.40	4	NC*	Male	2.03	1	NC*
Female	3.10	2	NC*	Female	2.20	2	NC*
Total	6.50	6	92	Total	4.23	3	NC*
<u>Breast</u>				<u>Non-Hodgkin's Lymphoma</u>			
Male	0.69	0	NC*	Male	8.47	7	83
Female	73.47	75	102	Female	9.15	12	131
Total	74.16	75	101	Total	17.62	19	108
<u>Cervix Uteri</u>				<u>Oral Cavity and Pharynx</u>			
Female	4.19	6	143	Male	6.56	10	152
				Female	3.76	3	NC*
				Total	10.32	13	126
<u>Colon / Rectum</u>				<u>Ovary</u>			
Male	27.70	38	137	Female	8.56	10	117
Female	33.15	38	115				
Total	60.85	76	125				
<u>Esophagus</u>				<u>Pancreas</u>			
Male	3.81	3	NC*	Male	4.25	6	141
Female	1.72	5	291	Female	5.69	7	123
Total	5.53	8	145	Total	9.94	13	131
<u>Hodgkin's Disease</u>				<u>Prostate</u>			
Male	1.65	2	NC*	Male	64.55	69	107
Female	1.46	2	NC*				
Total	3.11	4	NC*				
<u>Kidney and Renal Pelvis</u>				<u>Stomach</u>			
Male	6.06	9	149	Male	4.63	5	108
Female	4.51	8	177	Female	3.58	2	NC*
Total	10.56	17	161	Total	8.21	7	85
<u>Larynx</u>				<u>Testis</u>			
Male	3.44	1	NC*	Male	2.51	0	NC*
Female	1.06	2	NC*				
Total	4.50	3	NC*				
<u>Leukemia</u>				<u>Thyroid</u>			
Male	4.69	4	NC*	Male	1.29	1	NC*
Female	4.32	3	NC*	Female	3.74	5	134
Total	9.01	7	78	Total	5.03	6	119
<u>Liver and Intrahepatic Bile Ducts</u>				<u>Uteri, Corpus and Uterus, NOS</u>			
Male	2.25	4	NC*	Female	14.04	20	142
Female	1.18	0	NC*				
Total	3.43	4	NC*				
<u>Lung and Bronchus</u>				<u>All Sites / Types</u>			
Male	34.30	38	111	Male	214.85	233	108
Female	31.30	30	96	Female	239.66	255	106
Total	65.60	68	104	Total	454.51	488	107

Exp = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

Obs = observed case count

SIR = standardized incidence ratio [**Obs / Exp**) X 100]

* = **SIR** and statistical significance not calculated when **Obs** < 5

+ indicates number of observed cases is statistically significantly higher than the expected number of cases

- indicates number of observed cases is statistically significantly lower than the expected number of cases

indicates statistical significance at the $p \leq 0.05$ level

~ indicates statistical significance at the $p \leq 0.01$ level, as well as at the $p \leq 0.05$ level

^ indicates statistical significance at the $p \leq 0.001$ level, as well as at the $p \leq 0.01$ and $p \leq 0.05$ levels

North Andover

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1994 - 1998

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>				<u>Melanoma of Skin</u>			
Male	14.08	14	99	Male	9.47	14	148
Female	5.66	10	177	Female	7.59	3	NC*
Total	19.74	24	122	Total	17.05	17	100
<u>Brain and Other Central Nervous System</u>				<u>Multiple Myeloma</u>			
Male	5.03	4	NC*	Male	2.72	1	NC*
Female	4.04	5	124	Female	2.59	3	NC*
Total	9.06	9	99	Total	5.31	4	NC*
<u>Breast</u>				<u>Non-Hodgkin's Lymphoma</u>			
Male	0.93	0	NC*	Male	11.82	5	42 #-
Female	96.73	78	81	Female	10.75	11	102
Total	97.66	78	80 #-	Total	22.57	16	71
<u>Cervix Uteri</u>				<u>Oral Cavity and Pharynx</u>			
Female	5.96	6	101	Male	10.00	10	100
<u>Colon / Rectum</u>				Female	4.67	3	NC*
Male	35.47	30	85	Total	14.67	13	89
Female	35.45	40	113	<u>Ovary</u>			
Total	70.92	70	99	Female	11.41	15	132
<u>Esophagus</u>				<u>Pancreas</u>			
Male	5.43	6	111	Male	5.75	4	NC*
Female	1.81	3	NC*	Female	6.16	3	NC*
Total	7.24	9	124	Total	11.91	7	59
<u>Hodgkin's Disease</u>				<u>Prostate</u>			
Male	2.41	1	NC*	Male	87.69	100	114
Female	1.97	1	NC*	<u>Stomach</u>			
Total	4.38	2	NC*	Male	6.05	3	NC*
<u>Kidney and Renal Pelvis</u>				Female	3.81	1	NC*
Male	8.76	5	57	Total	9.86	4	NC*
Female	5.53	4	NC*	<u>Testis</u>			
Total	14.29	9	63	Male	3.59	6	167
<u>Larynx</u>							
Male	5.10	6	118				
Female	1.41	0	NC*				

Total	6.52	6	92
<u>Leukemia</u>			
Male	6.47	5	77
Female	5.23	1	NC*
Total	11.69	6	51
<u>Liver and Intrahepatic Bile Ducts</u>			
Male	3.21	7	218
Female	1.32	0	NC*
Total	4.53	7	154
<u>Lung and Bronchus</u>			
Male	46.27	41	89
Female	38.14	36	94
Total	84.41	77	91

<u>Thyroid</u>			
Male	1.99	2	NC*
Female	5.36	10	187
Total	7.35	12	163
<u>Uteri, Corpus and Uterus, NOS</u>			
Female	18.56	18	97
<u>All Sites / Types</u>			
Male	292.08	283	97
Female	295.10	279	95
Total	587.18	562	96

Exp = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

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+ indicates number of observed cases is statistically significantly higher than the expected number of cases

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North Attleborough

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1994 - 1998

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>			
Male	13.77	13	94
Female	5.08	1	NC*
Total	18.86	14	74
<u>Brain and Other Central Nervous System</u>			
Male	5.11	7	137
Female	3.92	4	NC*
Total	9.03	11	122
<u>Breast</u>			
Male	0.91	1	NC*
Female	90.14	95	105
Total	91.05	96	105
<u>Cervix Uteri</u>			
Female	6.07	3	NC*
<u>Colon / Rectum</u>			
Male	34.69	27	78
Female	31.80	45	142 #+
Total	66.49	72	108
<u>Esophagus</u>			
Male	5.23	5	96

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Melanoma of Skin</u>			
Male	9.47	16	169
Female	7.40	5	68
Total	16.87	21	125
<u>Multiple Myeloma</u>			
Male	2.64	2	NC*
Female	2.33	2	NC*
Total	4.96	4	NC*
<u>Non-Hodgkin's Lymphoma</u>			
Male	11.95	7	59
Female	9.97	7	70
Total	21.93	14	64
<u>Oral Cavity and Pharynx</u>			
Male	9.73	11	113
Female	4.30	5	116
Total	14.03	16	114
<u>Ovary</u>			
Female	10.79	14	130
<u>Pancreas</u>			
Male	5.59	5	89

Female	1.62	4	NC*
Total	6.85	9	131

Hodgkin's Disease

Male	2.69	3	NC*
Female	2.14	1	NC*
Total	4.82	4	NC*

Kidney and Renal Pelvis

Male	8.53	7	82
Female	5.07	1	NC*
Total	13.59	8	59

Larynx

Male	4.91	4	NC*
Female	1.28	1	NC*
Total	6.18	5	81

Leukemia

Male	6.50	5	77
Female	5.01	5	100
Total	11.50	10	87

Liver and Intrahepatic Bile Ducts

Male	3.13	1	NC*
Female	1.20	0	NC*
Total	4.33	1	NC*

Lung and Bronchus

Male	44.76	46	103
Female	34.27	42	123
Total	79.03	88	111

Female	5.52	5	91
Total	11.11	10	90

Prostate

Male	84.20	40	48 ^-
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Stomach

Male	5.94	1	NC*
Female	3.46	2	NC*
Total	9.40	3	NC*

Testis

Male	4.24	2	NC*
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Thyroid

Male	2.09	0	NC*
Female	5.63	4	NC*
Total	7.72	4	NC*

Uteri, Corpus and Uterus, NOS

Female	16.98	7	41 #-
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All Sites / Types

Male	286.04	223	78 ^-
Female	273.32	273	100
Total	559.36	496	89 ~-

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North Brookfield

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1994 - 1998

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>			
Male	3.03	4	NC*
Female	1.09	2	NC*
Total	4.12	6	146

Brain and Other Central Nervous System

Male	1.01	3	NC*
Female	0.77	1	NC*
Total	1.78	4	NC*

Breast

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Melanoma of Skin</u>			
Male	1.92	3	NC*
Female	1.43	2	NC*
Total	3.35	5	149

Multiple Myeloma

Male	0.57	0	NC*
Female	0.49	0	NC*
Total	1.06	0	NC*

Non-Hodgkin's Lymphoma

Male	0.19	0	NC*
Female	17.82	19	107
Total	18.02	19	105

Cervix Uteri

Female	1.12	2	NC*
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Colon / Rectum

Male	7.55	8	106
Female	6.88	5	73
Total	14.43	13	90

Esophagus

Male	1.08	0	NC*
Female	0.35	1	NC*
Total	1.43	1	NC*

Hodgkin's Disease

Male	0.50	0	NC*
Female	0.39	1	NC*
Total	0.89	1	NC*

Kidney and Renal Pelvis

Male	1.76	2	NC*
Female	1.04	0	NC*
Total	2.80	2	NC*

Larynx

Male	0.99	0	NC*
Female	0.26	0	NC*
Total	1.25	0	NC*

Leukemia

Male	1.35	2	NC*
Female	1.01	0	NC*
Total	2.36	2	NC*

Liver and Intrahepatic Bile Ducts

Male	0.64	0	NC*
Female	0.25	0	NC*
Total	0.90	0	NC*

Lung and Bronchus

Male	9.48	14	148
Female	7.13	5	70
Total	16.61	19	114

Male	2.44	5	205
Female	2.06	2	NC*
Total	4.50	7	155

Oral Cavity and Pharynx

Male	1.94	0	NC*
Female	0.87	1	NC*
Total	2.81	1	NC*

Ovary

Female	2.11	1	NC*
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Pancreas

Male	1.18	0	NC*
Female	1.19	1	NC*
Total	2.37	1	NC*

Prostate

Male	17.62	16	91
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Stomach

Male	1.28	1	NC*
Female	0.74	1	NC*
Total	2.02	2	NC*

Testis

Male	0.77	0	NC*
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Thyroid

Male	0.39	0	NC*
Female	1.02	1	NC*
Total	1.42	1	NC*

Uteri, Corpus and Uterus, NOS

Female	3.39	6	177
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All Sites / Types

Male	59.93	60	100
Female	55.45	57	103
Total	115.38	117	101

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North Reading

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1994 - 1998

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>				<u>Melanoma of Skin</u>			
Male	6.96	5	72	Male	4.78	9	188
Female	2.47	3	NC*	Female	3.60	3	NC*
Total	9.43	8	85	Total	8.38	12	143
<u>Brain and Other Central Nervous System</u>				<u>Multiple Myeloma</u>			
Male	2.57	2	NC*	Male	1.36	1	NC*
Female	1.91	3	NC*	Female	1.17	0	NC*
Total	4.47	5	112	Total	2.52	1	NC*
<u>Breast</u>				<u>Non-Hodgkin's Lymphoma</u>			
Male	0.47	1	NC*	Male	5.95	3	NC*
Female	45.69	41	90	Female	4.87	6	123
Total	46.15	42	91	Total	10.82	9	83
<u>Cervix Uteri</u>				<u>Oral Cavity and Pharynx</u>			
Female	2.92	1	NC*	Male	5.10	4	NC*
				Female	2.16	1	NC*
				Total	7.26	5	69
<u>Colon / Rectum</u>				<u>Ovary</u>			
Male	17.75	21	118	Female	5.42	3	NC*
Female	15.34	8	52				
Total	33.09	29	88				
<u>Esophagus</u>				<u>Pancreas</u>			
Male	2.77	1	NC*	Male	2.90	2	NC*
Female	0.78	2	NC*	Female	2.70	0	NC*
Total	3.55	3	NC*	Total	5.60	2	NC*
<u>Hodgkin's Disease</u>				<u>Prostate</u>			
Male	1.23	2	NC*	Male	45.49	44	97
Female	0.96	2	NC*				
Total	2.19	4	NC*				
<u>Kidney and Renal Pelvis</u>				<u>Stomach</u>			
Male	4.45	4	NC*	Male	2.99	1	NC*
Female	2.56	5	196	Female	1.65	0	NC*
Total	7.01	9	128	Total	4.63	1	NC*
<u>Larynx</u>				<u>Testis</u>			
Male	2.63	1	NC*	Male	1.86	3	NC*
Female	0.67	0	NC*				
Total	3.30	1	NC*				
<u>Leukemia</u>				<u>Thyroid</u>			
Male	3.22	3	NC*	Male	1.03	0	NC*
Female	2.39	2	NC*	Female	2.64	3	NC*
Total	5.61	5	89	Total	3.66	3	NC*
<u>Liver and Intrahepatic Bile Ducts</u>				<u>Uteri, Corpus and Uterus, NOS</u>			
Male	1.64	0	NC*	Female	8.77	8	91
Female	0.59	0	NC*				
Total	2.23	0	NC*				
<u>Lung and Bronchus</u>				<u>All Sites / Types</u>			
Male	23.69	26	110	Male	148.69	138	93
Female	17.57	15	85	Female	136.10	121	89
Total	41.26	41	99	Total	284.79	259	91

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Northampton

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1994 - 1998

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>				<u>Melanoma of Skin</u>			
Male	17.98	15	83	Male	11.21	5	45
Female	7.82	8	102	Female	9.85	11	112
Total	25.80	23	89	Total	21.06	16	76
<u>Brain and Other Central Nervous System</u>				<u>Multiple Myeloma</u>			
Male	5.67	3	NC*	Male	3.35	10	299 ~+
Female	5.08	5	98	Female	3.32	3	NC*
Total	10.75	8	74	Total	6.67	13	195 #+
<u>Breast</u>				<u>Non-Hodgkin's Lymphoma</u>			
Male	1.14	0	NC*	Male	14.21	10	70
Female	118.83	114	96	Female	14.20	14	99
Total	119.97	114	95	Total	28.42	24	84
<u>Cervix Uteri</u>				<u>Oral Cavity and Pharynx</u>			
Female	7.75	2	NC*	Male	11.33	7	62
<u>Colon / Rectum</u>				Female	5.90	6	102
Male	44.78	33	74	Total	17.22	13	75
Female	49.32	41	83	<u>Ovary</u>			
Total	94.10	74	79 #-	Female	14.09	13	92
<u>Esophagus</u>				<u>Pancreas</u>			
Male	6.36	10	157	Male	7.00	4	NC*
Female	2.53	2	NC*	Female	8.41	8	95
Total	8.89	12	135	Total	15.41	12	78
<u>Hodgkin's Disease</u>				<u>Prostate</u>			
Male	2.80	3	NC*	Male	104.15	86	83
Female	2.78	4	NC*	<u>Stomach</u>			
Total	5.57	7	126	Male	7.62	3	NC*
<u>Kidney and Renal Pelvis</u>				Female	5.42	5	92
Male	10.20	10	98	Total	13.04	8	61
Female	6.91	9	130	<u>Testis</u>			
Total	17.10	19	111	Male	4.38	2	NC*
<u>Larynx</u>							
Male	5.81	4	NC*				
Female	1.62	1	NC*				

Total	7.43	5	67
<u>Leukemia</u>			
Male	7.62	8	105
Female	6.90	4	NC*
Total	14.52	12	83
<u>Liver and Intrahepatic Bile Ducts</u>			
Male	3.75	1	NC*
Female	1.76	0	NC*
Total	5.51	1	NC*
<u>Lung and Bronchus</u>			
Male	55.77	53	95
Female	46.76	34	73
Total	102.54	87	85

<u>Thyroid</u>			
Male	2.27	1	NC*
Female	7.17	3	NC*
Total	9.44	4	NC*
<u>Uteri, Corpus and Uterus, NOS</u>			
Female	22.12	21	95
<u>All Sites / Types</u>			
Male	351.89	291	83 ^-
Female	377.14	332	88 #-
Total	729.04	623	85 ^-

Exp = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

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SIR = standardized incidence ratio [**Obs / Exp**) X 100]

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Northborough

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1994 - 1998

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>			
Male	6.73	8	119
Female	2.34	3	NC*
Total	9.07	11	121
<u>Brain and Other Central Nervous System</u>			
Male	2.60	3	NC*
Female	1.89	2	NC*
Total	4.49	5	111
<u>Breast</u>			
Male	0.46	0	NC*
Female	45.21	49	108
Total	45.67	49	107
<u>Cervix Uteri</u>			
Female	2.94	1	NC*
<u>Colon / Rectum</u>			
Male	17.08	15	88
Female	14.45	16	111
Total	31.54	31	98
<u>Esophagus</u>			
Male	2.72	1	NC*

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Melanoma of Skin</u>			
Male	4.82	8	166
Female	3.58	4	NC*
Total	8.40	12	143
<u>Multiple Myeloma</u>			
Male	1.33	0	NC*
Female	1.12	2	NC*
Total	2.45	2	NC*
<u>Non-Hodgkin's Lymphoma</u>			
Male	5.97	8	134
Female	4.69	2	NC*
Total	10.65	10	94
<u>Oral Cavity and Pharynx</u>			
Male	5.14	4	NC*
Female	2.12	5	236
Total	7.26	9	124
<u>Ovary</u>			
Female	5.38	4	NC*
<u>Pancreas</u>			
Male	2.83	1	NC*

Female	0.74	0	NC*
Total	3.46	1	NC*
<u>Hodgkin's Disease</u>			
Male	1.29	2	NC*
Female	0.96	1	NC*
Total	2.25	3	NC*

<u>Kidney and Renal Pelvis</u>			
Male	4.43	4	NC*
Female	2.48	0	NC*
Total	6.91	4	NC*

<u>Larynx</u>			
Male	2.60	0	NC*
Female	0.66	1	NC*
Total	3.26	1	NC*

<u>Leukemia</u>			
Male	3.22	3	NC*
Female	2.37	0	NC*
Total	5.59	3	NC*

<u>Liver and Intrahepatic Bile Ducts</u>			
Male	1.62	1	NC*
Female	0.56	1	NC*
Total	2.18	2	NC*

<u>Lung and Bronchus</u>			
Male	22.82	20	88
Female	16.84	4	NC*
Total	39.67	24	61 #-

Female	2.56	3	NC*
Total	5.38	4	NC*

<u>Prostate</u>			
Male	43.42	42	97

<u>Stomach</u>			
Male	2.93	1	NC*
Female	1.56	1	NC*
Total	4.49	2	NC*

<u>Testis</u>			
Male	1.97	0	NC*

<u>Thyroid</u>			
Male	1.07	0	NC*
Female	2.66	3	NC*
Total	3.72	3	NC*

<u>Uteri, Corpus and Uterus, NOS</u>			
Female	8.66	10	115

<u>All Sites / Types</u>			
Male	144.84	131	90
Female	132.74	116	87
Total	277.58	247	89

Exp = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

Obs = observed case count

SIR = standardized incidence ratio [**Obs** / **Exp**) X 100]

* = **SIR** and statistical significance not calculated when **Obs** < 5

+ indicates number of observed cases is statistically significantly higher than the expected number of cases

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indicates statistical significance at the $p \leq 0.05$ level

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Northbridge

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1994 - 1998

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>			
Male	8.40	6	71
Female	3.48	5	144
Total	11.87	11	93

<u>Brain and Other Central Nervous System</u>			
Male	2.62	2	NC*
Female	2.17	1	NC*
Total	4.79	3	NC*

Breast

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Melanoma of Skin</u>			
Male	5.06	6	118
Female	4.08	9	221 #+
Total	9.14	15	164

<u>Multiple Myeloma</u>			
Male	1.54	0	NC*
Female	1.47	0	NC*
Total	3.01	0	NC*

Non-Hodgkin's Lymphoma

Male	0.53	0	NC*
Female	50.84	48	94
Total	51.36	48	93

Cervix Uteri

Female	3.07	4	NC*
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Colon / Rectum

Male	20.87	17	81
Female	21.91	20	91
Total	42.78	37	86

Esophagus

Male	2.92	4	NC*
Female	1.13	4	NC*
Total	4.05	8	197

Hodgkin's Disease

Male	1.26	1	NC*
Female	1.09	0	NC*
Total	2.35	1	NC*

Kidney and Renal Pelvis

Male	4.64	2	NC*
Female	3.03	2	NC*
Total	7.67	4	NC*

Larynx

Male	2.64	0	NC*
Female	0.71	0	NC*
Total	3.35	0	NC*

Leukemia

Male	3.60	3	NC*
Female	3.02	1	NC*
Total	6.62	4	NC*

Liver and Intrahepatic Bile Ducts

Male	1.72	2	NC*
Female	0.78	0	NC*
Total	2.50	2	NC*

Lung and Bronchus

Male	25.75	17	66
Female	20.63	20	97
Total	46.38	37	80

Male	6.50	3	NC*
Female	6.16	3	NC*
Total	12.66	6	47

Oral Cavity and Pharynx

Male	5.11	5	98
Female	2.57	2	NC*
Total	7.67	7	91

Ovary

Female	5.98	4	NC*
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Pancreas

Male	3.25	5	154
Female	3.74	8	214
Total	6.99	13	186

Prostate

Male	48.27	56	116
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Stomach

Male	3.55	4	NC*
Female	2.39	1	NC*
Total	5.94	5	84

Testis

Male	1.88	2	NC*
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Thyroid

Male	1.00	3	NC*
Female	2.79	4	NC*
Total	3.78	7	185

Uteri, Corpus and Uterus, NOS

Female	9.60	6	62
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All Sites / Types

Male	162.44	150	92
Female	163.17	146	89
Total	325.62	296	91

Exp = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

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Northfield

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1994 - 1998

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>				<u>Melanoma of Skin</u>			
Male	1.98	1	NC*	Male	1.22	1	NC*
Female	0.82	0	NC*	Female	0.95	0	NC*
Total	2.79	1	NC*	Total	2.17	1	NC*
<u>Brain and Other Central Nervous System</u>				<u>Multiple Myeloma</u>			
Male	0.62	0	NC*	Male	0.37	0	NC*
Female	0.50	0	NC*	Female	0.35	0	NC*
Total	1.12	0	NC*	Total	0.72	0	NC*
<u>Breast</u>				<u>Non-Hodgkin's Lymphoma</u>			
Male	0.13	1	NC*	Male	1.53	1	NC*
Female	12.30	14	114	Female	1.44	4	NC*
Total	12.43	15	121	Total	2.97	5	168
<u>Cervix Uteri</u>				<u>Oral Cavity and Pharynx</u>			
Female	0.71	1	NC*	Male	1.28	1	NC*
				Female	0.62	0	NC*
				Total	1.90	1	NC*
<u>Colon / Rectum</u>				<u>Ovary</u>			
Male	4.95	2	NC*	Female	1.44	2	NC*
Female	5.11	3	NC*				
Total	10.06	5	50				
<u>Esophagus</u>				<u>Pancreas</u>			
Male	0.73	1	NC*	Male	0.78	2	NC*
Female	0.26	0	NC*	Female	0.88	1	NC*
Total	0.99	1	NC*	Total	1.67	3	NC*
<u>Hodgkin's Disease</u>				<u>Prostate</u>			
Male	0.27	0	NC*	Male	11.94	8	67
Female	0.23	0	NC*				
Total	0.51	0	NC*				
<u>Kidney and Renal Pelvis</u>				<u>Stomach</u>			
Male	1.15	1	NC*	Male	0.84	1	NC*
Female	0.73	0	NC*	Female	0.56	1	NC*
Total	1.87	1	NC*	Total	1.39	2	NC*
<u>Larynx</u>				<u>Testis</u>			
Male	0.67	0	NC*	Male	0.38	2	NC*
Female	0.18	0	NC*				
Total	0.84	0	NC*				
<u>Leukemia</u>				<u>Thyroid</u>			
Male	0.84	1	NC*	Male	0.23	0	NC*
Female	0.70	0	NC*	Female	0.63	2	NC*
Total	1.53	1	NC*	Total	0.86	2	NC*
<u>Liver and Intrahepatic Bile Ducts</u>				<u>Uteri, Corpus and Uterus, NOS</u>			
Male	0.42	0	NC*	Female	2.36	4	NC*
Female	0.18	0	NC*				
Total	0.61	0	NC*				
<u>Lung and Bronchus</u>				<u>All Sites / Types</u>			
Male	6.30	6	95	Male	39.27	32	81
Female	5.01	3	NC*	Female	38.88	36	93
Total	11.31	9	80	Total	78.15	68	87

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Norton

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1994 - 1998

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>				<u>Melanoma of Skin</u>			
Male	6.65	7	105	Male	4.80	5	104
Female	2.61	2	NC*	Female	4.09	5	122
Total	9.25	9	97	Total	8.88	10	113
<u>Brain and Other Central Nervous System</u>				<u>Multiple Myeloma</u>			
Male	2.66	2	NC*	Male	1.30	1	NC*
Female	2.18	2	NC*	Female	1.22	3	NC*
Total	4.84	4	NC*	Total	2.52	4	NC*
<u>Breast</u>				<u>Non-Hodgkin's Lymphoma</u>			
Male	0.45	1	NC*	Male	6.01	2	NC*
Female	48.84	45	92	Female	5.28	7	133
Total	49.29	46	93	Total	11.29	9	80
<u>Cervix Uteri</u>				<u>Oral Cavity and Pharynx</u>			
Female	3.43	2	NC*	Male	5.04	7	139
<u>Colon / Rectum</u>				Female	2.30	1	NC*
Male	16.81	19	113	Total	7.34	8	109
Female	16.30	12	74	<u>Ovary</u>			
Total	33.11	31	94	Female	5.90	6	102
<u>Esophagus</u>				<u>Pancreas</u>			
Male	2.65	2	NC*	Male	2.77	3	NC*
Female	0.82	0	NC*	Female	2.81	6	213
Total	3.47	2	NC*	Total	5.58	9	161
<u>Hodgkin's Disease</u>				<u>Prostate</u>			
Male	1.38	1	NC*	Male	41.93	19	45 ^-
Female	1.23	0	NC*	<u>Stomach</u>			
Total	2.62	1	NC*	Male	2.90	4	NC*
<u>Kidney and Renal Pelvis</u>				Female	1.78	1	NC*
Male	4.35	4	NC*	Total	4.68	5	107
Female	2.68	1	NC*	<u>Testis</u>			
Total	7.04	5	71	Male	2.13	1	NC*
<u>Larynx</u>							
Male	2.52	4	NC*				
Female	0.68	0	NC*				

Total	3.20	4	NC*
<u>Leukemia</u>			
Male	3.32	2	NC*
Female	2.77	1	NC*
Total	6.09	3	NC*
<u>Liver and Intrahepatic Bile Ducts</u>			
Male	1.59	3	NC*
Female	0.62	1	NC*
Total	2.21	4	NC*
<u>Lung and Bronchus</u>			
Male	22.21	20	90
Female	17.84	26	146
Total	40.05	46	115

<u>Thyroid</u>			
Male	1.08	0	NC*
Female	3.22	2	NC*
Total	4.30	2	NC*
<u>Uteri, Corpus and Uterus, NOS</u>			
Female	9.13	9	99
<u>All Sites / Types</u>			
Male	142.43	112	79 ~-
Female	145.99	141	97
Total	288.43	253	88 #-

Exp = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

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Norwell

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1994 - 1998

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>			
Male	6.19	6	97
Female	2.15	3	NC*
Total	8.35	9	108
<u>Brain and Other Central Nervous System</u>			
Male	2.18	2	NC*
Female	1.60	1	NC*
Total	3.78	3	NC*
<u>Breast</u>			
Male	0.41	0	NC*
Female	40.19	42	105
Total	40.60	42	103
<u>Cervix Uteri</u>			
Female	2.37	1	NC*
<u>Colon / Rectum</u>			
Male	15.67	17	108
Female	13.34	12	90
Total	29.01	29	100
<u>Esophagus</u>			
Male	2.47	1	NC*

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Melanoma of Skin</u>			
Male	4.17	5	120
Female	3.02	6	199
Total	7.20	11	153
<u>Multiple Myeloma</u>			
Male	1.21	1	NC*
Female	1.04	1	NC*
Total	2.25	2	NC*
<u>Non-Hodgkin's Lymphoma</u>			
Male	5.13	3	NC*
Female	4.17	5	120
Total	9.31	8	86
<u>Oral Cavity and Pharynx</u>			
Male	4.55	6	132
Female	1.90	1	NC*
Total	6.45	7	109
<u>Ovary</u>			
Female	4.71	3	NC*
<u>Pancreas</u>			
Male	2.58	2	NC*

Female	0.68	0	NC*
Total	3.15	1	NC*
<u>Hodgkin's Disease</u>			
Male	0.96	1	NC*
Female	0.71	0	NC*
Total	1.67	1	NC*

<u>Kidney and Renal Pelvis</u>			
Male	3.95	4	NC*
Female	2.24	4	NC*
Total	6.19	8	129

<u>Larynx</u>			
Male	2.34	0	NC*
Female	0.61	0	NC*
Total	2.95	0	NC*

<u>Leukemia</u>			
Male	2.78	1	NC*
Female	2.02	3	NC*
Total	4.80	4	NC*

<u>Liver and Intrahepatic Bile Ducts</u>			
Male	1.45	3	NC*
Female	0.51	1	NC*
Total	1.96	4	NC*

<u>Lung and Bronchus</u>			
Male	20.88	12	57
Female	15.60	7	45 #-
Total	36.48	19	52 ~-

Female	2.36	3	NC*
Total	4.93	5	101

<u>Prostate</u>			
Male	40.03	50	125

<u>Stomach</u>			
Male	2.66	2	NC*
Female	1.42	2	NC*
Total	4.08	4	NC*

<u>Testis</u>			
Male	1.36	1	NC*

<u>Thyroid</u>			
Male	0.85	5	585 ~+
Female	2.06	3	NC*
Total	2.92	8	274 #+

<u>Uteri, Corpus and Uterus, NOS</u>			
Female	7.86	9	114

<u>All Sites / Types</u>			
Male	130.38	129	99
Female	118.58	116	98
Total	248.96	245	98

Exp = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

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Norwood

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1994 - 1998

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>			
Male	19.27	22	114
Female	8.62	8	93
Total	27.89	30	108

<u>Brain and Other Central Nervous System</u>			
Male	6.02	11	183
Female	5.20	5	96
Total	11.22	16	143

Breast

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Melanoma of Skin</u>			
Male	11.69	21	180 #+
Female	9.94	12	121
Total	21.63	33	153 #+

<u>Multiple Myeloma</u>			
Male	3.57	1	NC*
Female	3.63	4	NC*
Total	7.20	5	69

Non-Hodgkin's Lymphoma

Male	1.21	2	NC*
Female	125.63	136	108
Total	126.84	138	109

Cervix Uteri

Female	7.48	4	NC*
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Colon / Rectum

Male	48.41	65	134 #+
Female	54.12	73	135 #+
Total	102.53	138	135 ^+

Esophagus

Male	6.76	12	177
Female	2.81	3	NC*
Total	9.57	15	157

Hodgkin's Disease

Male	2.95	2	NC*
Female	2.55	2	NC*
Total	5.50	4	NC*

Kidney and Renal Pelvis

Male	10.78	13	121
Female	7.54	7	93
Total	18.32	20	109

Larynx

Male	6.15	12	195 #+
Female	1.80	3	NC*
Total	7.95	15	189 #+

Leukemia

Male	8.13	8	98
Female	7.13	9	126
Total	15.26	17	111

Liver and Intrahepatic Bile Ducts

Male	3.99	5	125
Female	1.94	1	NC*
Total	5.93	6	101

Lung and Bronchus

Male	60.77	85	140 ~+
Female	52.11	58	111
Total	112.88	143	127 ~+

Male	14.96	11	74
Female	15.21	21	138
Total	30.16	32	106

Oral Cavity and Pharynx

Male	11.74	5	43 #-
Female	6.34	1	NC*
Total	18.08	6	33 ~-

Ovary

Female	14.70	11	75
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Pancreas

Male	7.47	9	120
Female	9.37	8	85
Total	16.84	17	101

Prostate

Male	114.71	132	115
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Stomach

Male	8.06	10	124
Female	5.88	14	238 ~+
Total	13.94	24	172 #+

Testis

Male	4.59	7	153
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Thyroid

Male	2.34	3	NC*
Female	6.69	11	164
Total	9.03	14	155

Uteri, Corpus and Uterus, NOS

Female	23.88	34	142
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All Sites / Types

Male	379.61	458	121 ^+
Female	403.12	465	115 ~+
Total	782.73	923	118 ^+

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Oak Bluffs

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1994 - 1998

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>				<u>Melanoma of Skin</u>			
Male	2.39	3	NC*	Male	1.45	2	NC*
Female	1.00	4	NC*	Female	1.12	5	446 #+
Total	3.38	7	207	Total	2.57	7	273 #+
<u>Brain and Other Central Nervous System</u>				<u>Multiple Myeloma</u>			
Male	0.73	1	NC*	Male	0.45	0	NC*
Female	0.60	0	NC*	Female	0.43	0	NC*
Total	1.34	1	NC*	Total	0.88	0	NC*
<u>Breast</u>				<u>Non-Hodgkin's Lymphoma</u>			
Male	0.15	0	NC*	Male	1.83	0	NC*
Female	14.73	19	129	Female	1.77	2	NC*
Total	14.88	19	128	Total	3.60	2	NC*
<u>Cervix Uteri</u>				<u>Oral Cavity and Pharynx</u>			
Female	0.82	0	NC*	Male	1.48	3	NC*
				Female	0.74	0	NC*
				Total	2.23	3	NC*
<u>Colon / Rectum</u>				<u>Ovary</u>			
Male	5.95	3	NC*	Female	1.71	1	NC*
Female	6.26	5	80				
Total	12.21	8	66				
<u>Esophagus</u>				<u>Pancreas</u>			
Male	0.84	2	NC*	Male	0.93	2	NC*
Female	0.32	0	NC*	Female	1.09	2	NC*
Total	1.17	2	NC*	Total	2.02	4	NC*
<u>Hodgkin's Disease</u>				<u>Prostate</u>			
Male	0.34	0	NC*	Male	14.00	14	100
Female	0.27	1	NC*				
Total	0.60	1	NC*				
<u>Kidney and Renal Pelvis</u>				<u>Stomach</u>			
Male	1.35	2	NC*	Male	1.00	1	NC*
Female	0.90	0	NC*	Female	0.67	3	NC*
Total	2.24	2	NC*	Total	1.67	4	NC*
<u>Larynx</u>				<u>Testis</u>			
Male	0.77	4	NC*	Male	0.49	1	NC*
Female	0.22	0	NC*				
Total	0.99	4	NC*				
<u>Leukemia</u>				<u>Thyroid</u>			
Male	1.00	1	NC*	Male	0.28	0	NC*
Female	0.82	1	NC*	Female	0.71	0	NC*
Total	1.82	2	NC*	Total	0.99	0	NC*
<u>Liver and Intrahepatic Bile Ducts</u>				<u>Uteri, Corpus and Uterus, NOS</u>			
Male	0.49	1	NC*	Female	2.86	3	NC*
Female	0.23	1	NC*				
Total	0.72	2	NC*				
<u>Lung and Bronchus</u>				<u>All Sites / Types</u>			
Male	7.45	5	67	Male	46.57	46	99
Female	6.30	4	NC*	Female	47.07	53	113
Total	13.75	9	65	Total	93.64	99	106

Exp = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

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indicates statistical significance at the $p \leq 0.05$ level

~ indicates statistical significance at the $p \leq 0.01$ level, as well as at the $p \leq 0.05$ level

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Oakham

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1994 - 1998

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>				<u>Melanoma of Skin</u>			
Male	0.90	0	NC*	Male	0.61	1	NC*
Female	0.28	0	NC*	Female	0.43	0	NC*
Total	1.18	0	NC*	Total	1.04	1	NC*
<u>Brain and Other Central Nervous System</u>				<u>Multiple Myeloma</u>			
Male	0.33	0	NC*	Male	0.18	0	NC*
Female	0.24	0	NC*	Female	0.14	0	NC*
Total	0.57	0	NC*	Total	0.31	0	NC*
<u>Breast</u>				<u>Non-Hodgkin's Lymphoma</u>			
Male	0.06	1	NC*	Male	0.76	2	NC*
Female	5.40	5	93	Female	0.58	0	NC*
Total	5.46	6	110	Total	1.34	2	NC*
<u>Cervix Uteri</u>				<u>Oral Cavity and Pharynx</u>			
Female	0.35	0	NC*	Male	0.65	0	NC*
				Female	0.25	1	NC*
				Total	0.90	1	NC*
<u>Colon / Rectum</u>				<u>Ovary</u>			
Male	2.25	3	NC*	Female	0.65	1	NC*
Female	1.77	1	NC*				
Total	4.02	4	NC*				
<u>Esophagus</u>				<u>Pancreas</u>			
Male	0.35	1	NC*	Male	0.36	0	NC*
Female	0.09	0	NC*	Female	0.31	0	NC*
Total	0.44	1	NC*	Total	0.67	0	NC*
<u>Hodgkin's Disease</u>				<u>Prostate</u>			
Male	0.15	0	NC*	Male	5.52	3	NC*
Female	0.12	0	NC*				
Total	0.28	0	NC*				
<u>Kidney and Renal Pelvis</u>				<u>Stomach</u>			
Male	0.57	0	NC*	Male	0.39	0	NC*
Female	0.30	0	NC*	Female	0.19	0	NC*
Total	0.87	0	NC*	Total	0.58	0	NC*
<u>Larynx</u>				<u>Testis</u>			
Male	0.33	1	NC*	Male	0.23	0	NC*
Female	0.08	0	NC*				

Total	0.41	1	NC*
<u>Leukemia</u>			
Male	0.42	0	NC*
Female	0.30	0	NC*
Total	0.72	0	NC*
<u>Liver and Intrahepatic Bile Ducts</u>			
Male	0.21	1	NC*
Female	0.07	0	NC*
Total	0.27	1	NC*
<u>Lung and Bronchus</u>			
Male	2.95	5	170
Female	2.04	2	NC*
Total	4.99	7	140

<u>Thyroid</u>			
Male	0.13	0	NC*
Female	0.33	0	NC*
Total	0.45	0	NC*
<u>Uteri, Corpus and Uterus, NOS</u>			
Female	1.03	1	NC*
<u>All Sites / Types</u>			
Male	18.62	18	97
Female	16.05	11	69
Total	34.67	29	84

Exp = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

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Orange

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1994 - 1998

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>				<u>Melanoma of Skin</u>			
Male	4.47	5	112	Male	2.80	2	NC*
Female	1.92	1	NC*	Female	2.30	1	NC*
Total	6.39	6	94	Total	5.10	3	NC*
<u>Brain and Other Central Nervous System</u>				<u>Multiple Myeloma</u>			
Male	1.48	0	NC*	Male	0.84	0	NC*
Female	1.25	0	NC*	Female	0.83	0	NC*
Total	2.73	0	NC*	Total	1.68	0	NC*
<u>Breast</u>				<u>Non-Hodgkin's Lymphoma</u>			
Male	0.29	0	NC*	Male	3.55	3	NC*
Female	29.22	24	82	Female	3.47	5	144
Total	29.50	24	81	Total	7.02	8	114
<u>Cervix Uteri</u>				<u>Oral Cavity and Pharynx</u>			
Female	1.74	1	NC*	Male	2.88	1	NC*
<u>Colon / Rectum</u>				Female	1.46	1	NC*
Male	11.24	8	71	Total	4.34	2	NC*
Female	12.06	12	100	<u>Ovary</u>			
Total	23.29	20	86	Female	3.43	4	NC*
<u>Esophagus</u>				<u>Pancreas</u>			
Male	1.62	1	NC*	Male	1.76	2	NC*

Female	0.62	2	NC*
Total	2.25	3	NC*
<u>Hodgkin's Disease</u>			
Male	0.70	0	NC*
Female	0.60	1	NC*
Total	1.30	1	NC*

<u>Kidney and Renal Pelvis</u>			
Male	2.61	2	NC*
Female	1.74	2	NC*
Total	4.35	4	NC*

<u>Larynx</u>			
Male	1.50	2	NC*
Female	0.42	1	NC*
Total	1.92	3	NC*

<u>Leukemia</u>			
Male	1.98	6	303 #+
Female	1.69	3	NC*
Total	3.67	9	245 #+

<u>Liver and Intrahepatic Bile Ducts</u>			
Male	0.96	1	NC*
Female	0.44	0	NC*
Total	1.40	1	NC*

<u>Lung and Bronchus</u>			
Male	14.33	11	77
Female	12.01	12	100
Total	26.34	23	87

Female	2.08	1	NC*
Total	3.85	3	NC*

<u>Prostate</u>			
Male	27.07	18	67

<u>Stomach</u>			
Male	1.88	4	NC*
Female	1.30	0	NC*
Total	3.19	4	NC*

<u>Testis</u>			
Male	1.04	0	NC*

<u>Thyroid</u>			
Male	0.56	1	NC*
Female	1.56	2	NC*
Total	2.13	3	NC*

<u>Uteri, Corpus and Uterus, NOS</u>			
Female	5.59	8	143

<u>All Sites / Types</u>			
Male	89.70	73	81
Female	92.67	86	93
Total	182.37	159	87

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Orleans

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1994 - 1998

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>			
Male	9.56	17	178 #+
Female	3.54	5	141
Total	13.10	22	168 #+

<u>Brain and Other Central Nervous System</u>			
Male	2.06	1	NC*
Female	1.63	2	NC*
Total	3.69	3	NC*

Breast

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Melanoma of Skin</u>			
Male	4.59	10	218 #+
Female	3.09	9	291 ~+
Total	7.68	19	247 ^+

<u>Multiple Myeloma</u>			
Male	1.68	2	NC*
Female	1.41	0	NC*
Total	3.09	2	NC*

Non-Hodgkin's Lymphoma

Male	0.56	2	NC*
Female	42.80	60	140 #+
Total	43.35	62	143 ~+

Cervix Uteri

Female	1.93	0	NC*
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Colon / Rectum

Male	23.45	19	81
Female	22.27	14	63
Total	45.72	33	72

Esophagus

Male	2.95	2	NC*
Female	1.17	2	NC*
Total	4.12	4	NC*

Hodgkin's Disease

Male	0.68	0	NC*
Female	0.58	0	NC*
Total	1.25	0	NC*

Kidney and Renal Pelvis

Male	4.46	5	112
Female	2.77	0	NC*
Total	7.23	5	69

Larynx

Male	2.52	2	NC*
Female	0.64	0	NC*
Total	3.15	2	NC*

Leukemia

Male	3.33	3	NC*
Female	2.50	1	NC*
Total	5.82	4	NC*

Liver and Intrahepatic Bile Ducts

Male	1.67	2	NC*
Female	0.77	1	NC*
Total	2.44	3	NC*

Lung and Bronchus

Male	27.56	22	80
Female	19.67	19	97
Total	47.22	41	87

Male	5.97	3	NC*
Female	5.62	8	142
Total	11.58	11	95

Oral Cavity and Pharynx

Male	4.54	10	220 #+
Female	2.31	2	NC*
Total	6.85	12	175

Ovary

Female	4.81	4	NC*
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Pancreas

Male	3.45	4	NC*
Female	3.84	3	NC*
Total	7.28	7	96

Prostate

Male	51.67	87	168 ^+
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Stomach

Male	3.88	2	NC*
Female	2.40	1	NC*
Total	6.28	3	NC*

Testis

Male	0.78	0	NC*
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Thyroid

Male	0.64	0	NC*
Female	1.54	1	NC*
Total	2.19	1	NC*

Uteri, Corpus and Uterus, NOS

Female	8.39	13	155
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All Sites / Types

Male	167.30	208	124 ~+
Female	145.41	156	107
Total	312.70	364	116 ~+

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